

WHAT IS CLAIMED IS:

1. A support and heating device for tools for hot embossing or diecutting with hot pressure transfer of metallic film portions onto a substrate, the device comprising:

at least one platen;

at least one honeycomb chase having two opposite parallel sides with a plurality of apertures at spaced apart locations in the chase;

a base plate secured against one of the sides of the honeycomb chase, the base plate comprised of at least one insulating surface alternating with at least one conducting surface;

a plurality of heating devices, each inserted into one of the apertures in the honeycomb chase, and the heating devices being operable to heat a printing plate that is selectively securable against the second side of the honeycomb chase, the printing plate being positioned for cooperating with the at least one platen for hot embossing or diecutting and hot pressure transferring a metallic film portion onto the substrate.

2. The device of claim 1, wherein the base plate comprises a bottom plate which is a conducting plate;

an insulating plate at one side of the bottom plate;

an insulating surface at an opposite side of the bottom plate;

a respective hole in the insulating surface located at each of the apertures in the honeycomb chase, whereby each of the holes communicates with a respective one of the apertures in the honeycomb chase.

3. The device of claim 2, wherein each of the heating devices includes an insulating cap and an electrode passing out of the cap, the electrode having a first end that leans against the conducting bottom plate of the base plate by passing through the aperture in the insulating surface, the electrode having an opposite second end and an electric resistance toward the second end of the electrode positioned and operable to come into contact with a printing plate secured against one of the sides of

the honeycomb chase.

4. The device of claim 3, wherein the second end of the electrode comprises a second base plate; an elastic device for conveying the second base plate of the electrode toward an exterior edge of the aperture.

5. The device of claim 4, further comprising a link to which the second base plate is attached.

6. The device of claim 2, wherein the bottom plate of the base plate is connected to a positive terminal of an electric energy source.

7. The device of claim 2, further comprising a positive terminal of an electric energy input to which the bottom plate is connected, and the electric energy input has a negative terminal to which the honeycomb chase is connected.

8. The device of claim 1, wherein the base plate has a plurality of multi-layered printing circuits, each circuit including a plurality of connectors and the connectors are arranged to the apertures of the honeycomb chase for the heating devices.

9. The device of claim 8, wherein the heating device includes an envelope in which a plurality of the electrodes are arranged, each of the electrodes having a first end connected to one of polarities of an electric device or at least one electronic body, and each electrode a second end intended to contact with a respective one of the connectors of the base plate.

10. The device of claim 9, wherein at least one of the electric devices is an electric resistance.

11. The device of claim 10, wherein the electric resistance of the heating device is comprised of a chip having a chemical composition selected to have an ohmic strength variable according to a difference between the real temperature of the electric resistance and a maximum control temperature.

12. The device of claim 9, further comprising a piston in the aperture and connected to an elastic actuator, the piston sliding along the inside of the aperture and the electrodes are interdependent of the piston, the piston being moveable by the elastic actuator outward of the aperture.

13. The device of claim 12, further comprising an envelope inside the aperture, a blanket inside the envelope and the piston being slidable inside the envelope in the aperture along the blanket.

14. The device of claim 12, wherein the elastic actuator is comprised of one of the electrodes.

15. The device of claim 8, wherein the honeycomb chase is comprised of an insulating material.

16. The device of claim 1, wherein the heating devices are removable from and are clipped into the respective apertures of the honeycomb chase.

17. The device of claim 1, wherein the device comprises a platen press including means therein intended for diecutting or embossing a substrate.